



Friday, May 05, 2023
Time of Issue: 0800 hours IST
(MORNING)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Significant Meteorological features:

- ❖ A **Western Disturbance** seen as a cyclonic circulation over west Iran in middle tropospheric levels.
- ❖ A cyclonic Circulation lies over coastal Tamil Nadu in lower tropospheric levels.
- ❖ A cyclonic circulation is likely to develop over Southeast Bay of Bengal around 06th May, 2023. **Under its influence a low pressure area is likely to form over the same region around 07th May.** It is likely to concentrate into a depression over Southeast Bay of Bengal on 08th May. Thereafter, it is likely to intensify into a cyclonic storm while moving nearly northwards towards central Bay of Bengal. The details of its path and intensification will be provided after the formation of low pressure area. The system is under constant watch and being monitored regularly.

Weather over rest parts of the country:

Northwest India:

- ❖ A **fresh spell of rainfall** likely to commence over the region from 05th May with scattered to fairly widespread rainfall/snowfall over Western Himalayan region and isolated to scattered rainfall with thunderstorm/lightning/gusty winds over plains of northwest India on 06th & 07th May, 2023.
- ❖ **Hailstorm** very likely at isolated places over Punjab and Haryana on 07th May.

South India:

- ❖ Scattered/fairly widespread rainfall with thunderstorm/lightning/gusty winds very likely over the region during next 5 days.
- ❖ **Heavy rainfall** very likely at isolated places over Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal on 05th May, over South Interior Karnataka 07th & 08th May.

Northeast India:

- ❖ Light/moderate fairly widespread to widespread rainfall with thunderstorm/lightning/gusty winds very likely over the region during next 24 hours.
- ❖ **Heavy rainfall** very likely at isolated places over Arunachal Pradesh on 05th May.

No significant weather likely over rest parts of the country.

Maximum Temperatures, its Forecast and Heat Wave Warnings:

- ❖ Today, Maximum Temperatures are below 36°C over most parts of the country except West Rajasthan and Gujarat. These are below normal by 3-6°C over most parts of the country
- ❖ Maximum temperatures are very likely to increase and become near normal over the country around 07th May except coastal Odisha and coastal West Bengal, where these are likely to be above normal by 2-4°C by 08th May.
- ❖ **No Heat wave conditions likely over any part of India during next 5 days.**

* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798



Main Weather Observations

- ❖ **Rainfall/thundershowers observed** (from 0830 hours IST to 1730 hours IST of yesterday): **at many places** over Sub-Himalayan West Bengal & Sikkim and Nagaland, Manipur, Mizoram & Tripura; **at a few places** over Madhya Pradesh, Jharkhand, Assam & Meghalaya, Arunachal Pradesh, Gangetic West Bengal, Rayalaseema and Tamil Nadu, Puducherry & Karaikal; **at isolated places** over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, East Rajasthan, East Uttar Pradesh, Saurashtra & Kutch, Bihar, Vidarbha, Madhya Maharashtra, Marathwada, Telangana and Coastal Andhra Pradesh & Yanam.
- ❖ **Significant rainfall recorded** (from 0830 hours IST to 1730 hours IST of yesterday)(in cm): Purulia, Keshod and Pendra road-2 each; Jabalpur, Seoni, North Lakhimpur, Pasighat, Tiruppattur, Coonoor and Udhagamandalam-1 each.
- ❖ **Thunderstorm Observed** (from 0830 hours IST of yesterday to 0530 hours IST of today): at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, West Rajasthan, Saurashtra & Kutch, Madhya Pradesh, Vidarbha, West Bengal & Sikkim, Assam & Meghalaya, Tripura and Tamil Nadu, Puducherry & Karaikal.
- ❖ **Minimum Temperature Departures (as on 04-05-2023):** Minimum temperatures were **above normal (1.6°C to 3.0°C)** at a few places over Nagaland, Manipur, Mizoram & Tripura and Andaman & Nicobar Islands. They were **markedly below normal (-5.1°C or less)** at many places over Haryana, Chandigarh & Delhi; at a few places over West Uttar Pradesh, East Rajasthan, Madhya Pradesh and Vidarbha and at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad; **appreciably below normal (-3.1°C to -5.0°C)** at a few places over Uttarakhand, Punjab, East Uttar Pradesh, Marathwada and Chhattisgarh, West Rajasthan and Odisha; **below normal (-1.6°C to -3.0°C)** at many places over Tamil Nadu, Puducherry & Karaikal; at a few places over Coastal Andhra Pradesh & Yanam, Jharkhand and at isolated places over Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and North Interior Karnataka and **near normal** over rest parts of the country. Yesterday, the **lowest minimum temperature** of **14.2°C** was reported at **Delhi-Ridge (Delhi)** over the plains of the country.
- ❖ **Maximum Temperature Departures (as on 04-05-2023):** Maximum temperatures were **markedly below normal (-5.1°C or less)** at most places over Haryana, Chandigarh & Delhi, East Rajasthan, Madhya Pradesh, Uttar Pradesh and Vidarbha; at many places over Himachal Pradesh, Punjab, Marathwada and Telangana; at a few places over Bihar, Odisha and Chhattisgarh; at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, West Rajasthan, Saurashtra & Kutch, Arunachal Pradesh and Coastal Andhra Pradesh & Yanam; **appreciably below normal (-3.1°C to -5.0°C)** at most places over Jharkhand, Rayalaseema and Madhya Maharashtra; at a few places over Tamil Nadu, Puducherry & Karaikal and Gangetic West Bengal; at isolated places over Gujarat Region and Assam & Meghalaya; **below normal (-1.6°C to -3.0°C)** at a few places over Sub-Himalayan West Bengal & Sikkim and **near normal** over rest parts of the country. Yesterday, the **highest maximum temperature** of **40.0°C** was reported at **Surendrangar (Saurashtra & Kutch)**.

* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798



Meteorological Analysis (Based on 0530 hours IST)

- ❖ The **Western Disturbance** as a **trough** in westerlies with its axis at 5.8 km above mean sea level now runs roughly along Long. 84°E to the north of Lat. 25°N.
- ❖ The **cyclonic circulation** over south Haryana & neighbourhood at 1.5 km above mean sea level persists.
- ❖ The **Western Disturbance** as a **cyclonic circulation** over west Iran & neighbourhood at 5.8 km above mean sea level persists.
- ❖ The **cyclonic circulation** over coastal Tamilnadu & neighbourhood extending upto 3.1 above mean sea level persists.
- ❖ A cyclonic circulation is likely to develop over Southeast Bay of Bengal around 06th May, 2023. Under its influence a low pressure area is likely to form over the same region around 07th May. It is likely to concentrate into a depression over Southeast Bay of Bengal on 08th May. Thereafter, it is likely to intensify into a cyclonic storm while moving nearly northwards towards central Bay of Bengal. The details of its path and intensification will be provided after the formation of low pressure area. The system is under constant watch and being monitored regularly.

Weather Forecast for next 5 days (Upto 0830 hours IST of 10th May, 2023)

- ❖ Meteorological sub-division wise detailed 5 days rainfall forecast is given in Table-1.

Maximum Temperatures Forecast and Heat Wave Warnings:

- ❖ **Northwest India:** Rise by 4-6°C in maximum temperatures very likely during next 3 days and no significant change thereafter.
- ❖ **Central India:** Gradual rise by 4-6°C in maximum temperatures very likely during next 5 days.
- ❖ **East India:** No significant change in maximum temperatures very likely during next 24 hours and rise by 3-5°C thereafter.
- ❖ **West India:** No significant change in maximum temperatures very likely during next 2 days and rise by 2-4°C thereafter.
- ❖ No significant change in maximum temperatures over rest parts of India during the next 5 days.
- ❖ **No Heat wave conditions over most parts of India during next 5 days.**

Weather Outlook for subsequent 2 days (During 10th-12th May, 2023)

- ❖ Scattered to fairly widespread light/moderate rainfall likely to continue over northeast India and parts of Northwest India. Isolated light rainfall likely along east coast and over south peninsular India. Dry weather over rest parts of the country.

* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798



Weather Warning during next 5 days

05 May (Day 1): ♦ Heavy rainfall very likely at isolated places over Arunachal Pradesh, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm with lightning & gusty wind (40-50 kmph)** very likely at isolated places over Rajasthan; with **lightning & gusty wind (30-40 kmph)** over Punjab, Sub-Himalayan West Bengal & Sikkim, Odisha, Assam & Meghalaya, Konkan & Goa, Madhya Maharashtra, Marathwada, Gujarat state, Coastal Andhra Pradesh & Yanam, Rayalaseema; **with lightning** at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Madhya Pradesh, Vidarbha, Chhattisgarh, Andaman & Nicobar Islands, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, South Interior Karnataka, Telangana, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

06 May (Day 2): ♦ Hailstorm with lightning & gusty wind (40-50 kmph) very likely at isolated places over Punjab and Haryana.

♦ **Thunderstorm with lightning & gusty wind (30-40 kmph)** very likely at isolated places over Rajasthan Madhya Maharashtra, Marathwada, Gujarat state, Rayalaseema, Kerala & Mahe and Andaman & Nicobar Islands **with lightning** at isolated places Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Arunachal Pradesh, Assam & Meghalaya, Karnataka, Coastal Andhra Pradesh & Yanam, Telangana and Tamil Nadu, Puducherry & Karaikal.

♦ **Squally Weather (wind speed reaching 40-45 kmph gusting to 55 kmph)** very likely over Southeast Bay of Bengal. Fishermen are advised not to venture into these areas.

07 May (Day 3): ♦ Heavy rainfall very likely at isolated places over Andaman & Nicobar Islands and South Interior Karnataka.

♦ **Thunderstorm with lightning & gusty wind (40-50 kmph)** likely at isolated places over Andaman & Nicobar Islands; **with lightning & gusty wind (30-40 kmph)** likely at isolated places over Punjab, Haryana, Madhya Maharashtra; **with lightning** at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Uttar Pradesh, Karnataka, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Squally weather** with wind speed reaching 40-50 kmph gusting to 60 kmph is likely to prevail over southeast Bay of Bengal and adjoining areas of Andaman & Nicobar Islands and Andaman Sea. Fishermen are advised not to venture into these areas.

08 May (Day 4): ♦ Heavy to very heavy rainfall very likely at isolated places over Andaman & Nicobar Islands and South Interior Karnataka.

♦ **Thunderstorm with lightning & Squall (speed 50-60 kmph)** likely at isolated places over Andaman & Nicobar Islands **with lightning** at isolated places over Karnataka and Kerala & Mahe.

♦ **Squally weather** with wind speed reaching 50-60 kmph gusting to 70 kmph is likely to prevail over southeast Bay of Bengal and adjoining areas of Andaman & Nicobar Islands and Andaman Sea. Fishermen are advised not to venture into these areas.

09 May (Day 5): ♦ Heavy to very heavy rainfall very likely at isolated places over Andaman & Nicobar Islands and South Interior Karnataka.

♦ **Thunderstorm with lightning & Squall (speed 50-60 kmph)** likely at isolated places over Andaman & Nicobar Islands **with lightning** at isolated places over Karnataka and Kerala & Mahe.

♦ **Squally weather** with wind speed reaching 50-60 kmph gusting to 70 kmph is likely to prevail over southeast Bay of Bengal and adjoining areas of Andaman & Nicobar Islands and Andaman Sea. Fishermen are advised not to venture into these areas.

* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798



Table-1

5 Day Rainfall Forecast						
S. No.	Subdivision	05-May	06-May	07-May	08-May	09-May
		Day 1	Day 2	Day 3	Day 4	Day 5
1	ANDAMAN & NICOBAR ISLANDS	FWS	FWS	WS	WS	WS
2	ARUNACHAL PRADESH	WS	FWS	FWS	FWS	FWS
3	ASSAM & MEGHALAYA	FWS	SCT	SCT	SCT	SCT
4	NAGALAND, MANIPUR, MIZORAM & TRIPURA	SCT	ISOL	ISOL	ISOL	ISOL
5	SUB-HIMALAYAN WEST BENGAL & SIKKIM	FWS	SCT	SCT	SCT	SCT
6	GANGETIC WEST BENGAL	ISOL	ISOL	DRY	DRY	DRY
7	ODISHA	SCT	ISOL	ISOL	ISOL	ISOL
8	JHARKHAND	DRY	DRY	DRY	DRY	DRY
9	BIHAR	DRY	DRY	DRY	DRY	DRY
10	EAST UTTAR PRADESH	DRY	DRY	ISOL	DRY	DRY
11	WEST UTTAR PRADESH	DRY	ISOL	ISOL	DRY	DRY
12	UTTARAKHAND	ISOL	ISOL	SCT	ISOL	ISOL
13	HARYANA CHANDIGARH & DELHI	ISOL	SCT	ISOL	DRY	DRY
14	PUNJAB	ISOL	SCT	ISOL	DRY	DRY
15	HIMACHAL PRADESH	ISOL	FWS	FWS	ISOL	ISOL
16	JAMMU & KASHMIR AND LADAKH	ISOL	FWS	FWS	ISOL	ISOL
17	WEST RAJASTHAN	ISOL	ISOL	DRY	DRY	DRY
18	EAST RAJASTHAN	ISOL	ISOL	DRY	DRY	DRY
19	WEST MADHYA PRADESH	ISOL	DRY	DRY	DRY	DRY
20	EAST MADHYA PRADESH	ISOL	DRY	DRY	DRY	DRY
21	GUJARAT REGION	ISOL	ISOL	DRY	DRY	DRY
22	SAURASHTRA & KUTCH	ISOL	ISOL	DRY	DRY	DRY
23	KONKAN & GOA	ISOL	ISOL	ISOL	DRY	DRY
24	MADHYA MAHARASHTRA	ISOL	ISOL	ISOL	ISOL	ISOL
25	MARATHAWADA	ISOL	ISOL	ISOL	DRY	DRY
26	VIDARBHA	ISOL	ISOL	DRY	DRY	DRY
27	CHHATTISGARH	ISOL	ISOL	DRY	DRY	DRY
28	COASTAL ANDHRA PRADESH & YANAM	SCT	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	ISOL	ISOL	ISOL	DRY	DRY
30	RAYALASEEMA	SCT	SCT	SCT	ISOL	ISOL
31	TAMILNADU PUDUCHERRY & KARAIKAL	SCT	SCT	SCT	SCT	SCT
32	COASTAL KARNATAKA	ISOL	ISOL	SCT	SCT	SCT
33	NORTH INTERIOR KARNATAKA	ISOL	SCT	SCT	SCT	SCT
34	SOUTH INTERIOR KARNATAKA	SCT	FWS	FWS	FWS	FWS
35	KERALA & MAHE	SCT	FWS	SCT	SCT	SCT
36	LAKSHADWEEP	SCT	SCT	SCT	SCT	SCT

Legend	Category	% Stations
WS	Widespread/Most Places	76-100
FWS	Fairly Widespread/Many Places	51-75
SCT	Scattered/ A Few Places	26-50
ISOL	Isolated Places	1-25
DRY	No Rain	0

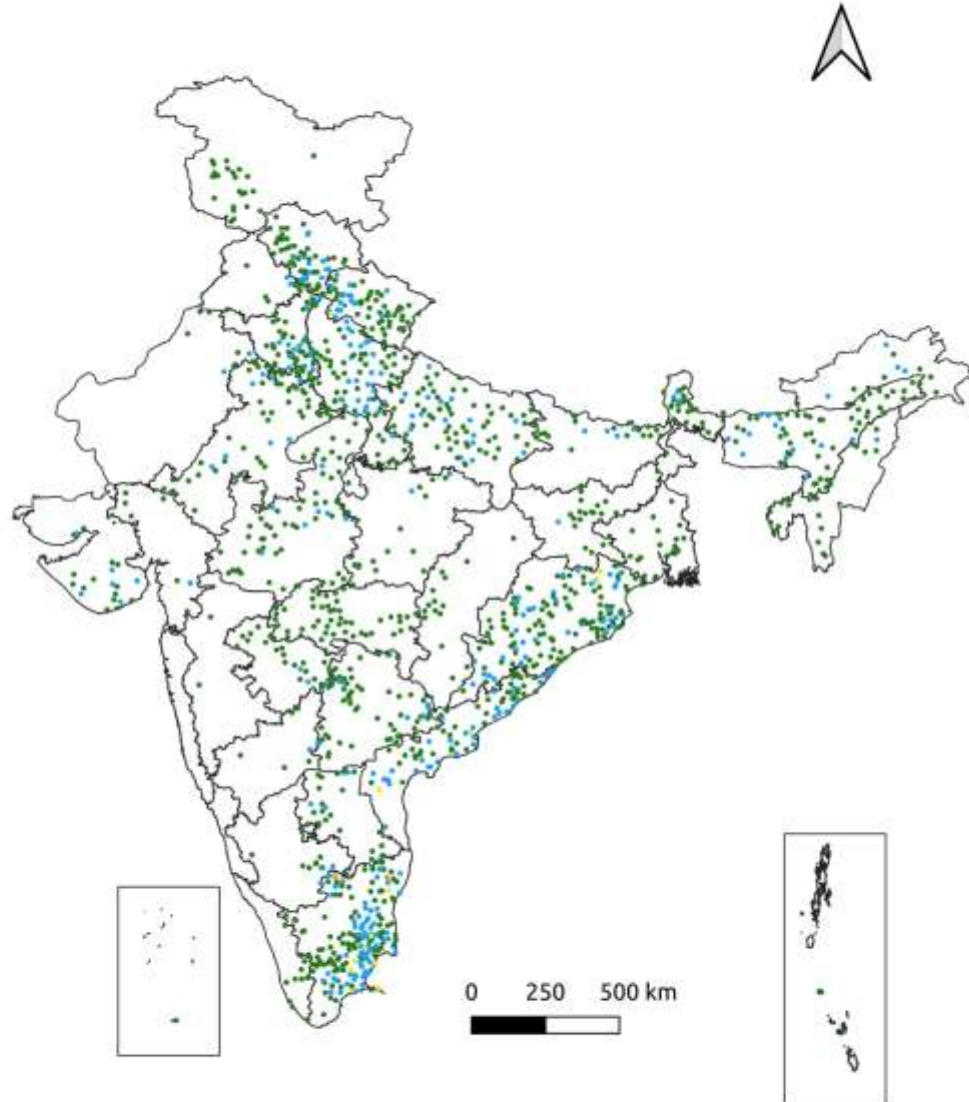
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".
Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day
For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798



Fig. 1: Accumulated Rainfall (mm) during past 24 hours



24 Hr cumulative rainfall recorded over different stations
during 0830 IST of 3-5-2023 to 0830 IST of 4-5-2023



Legends

- Very Light to Light Rainfall (0.1 - 15.5 mm)
- Moderate Rainfall (15.6 - 64.4 mm)
- Heavy Rainfall (64.5 - 115.5 mm)
- Very Heavy Rainfall (115.6 - 204.4 mm)
- Extremely Heavy Rainfall (≥ 204.5 mm)

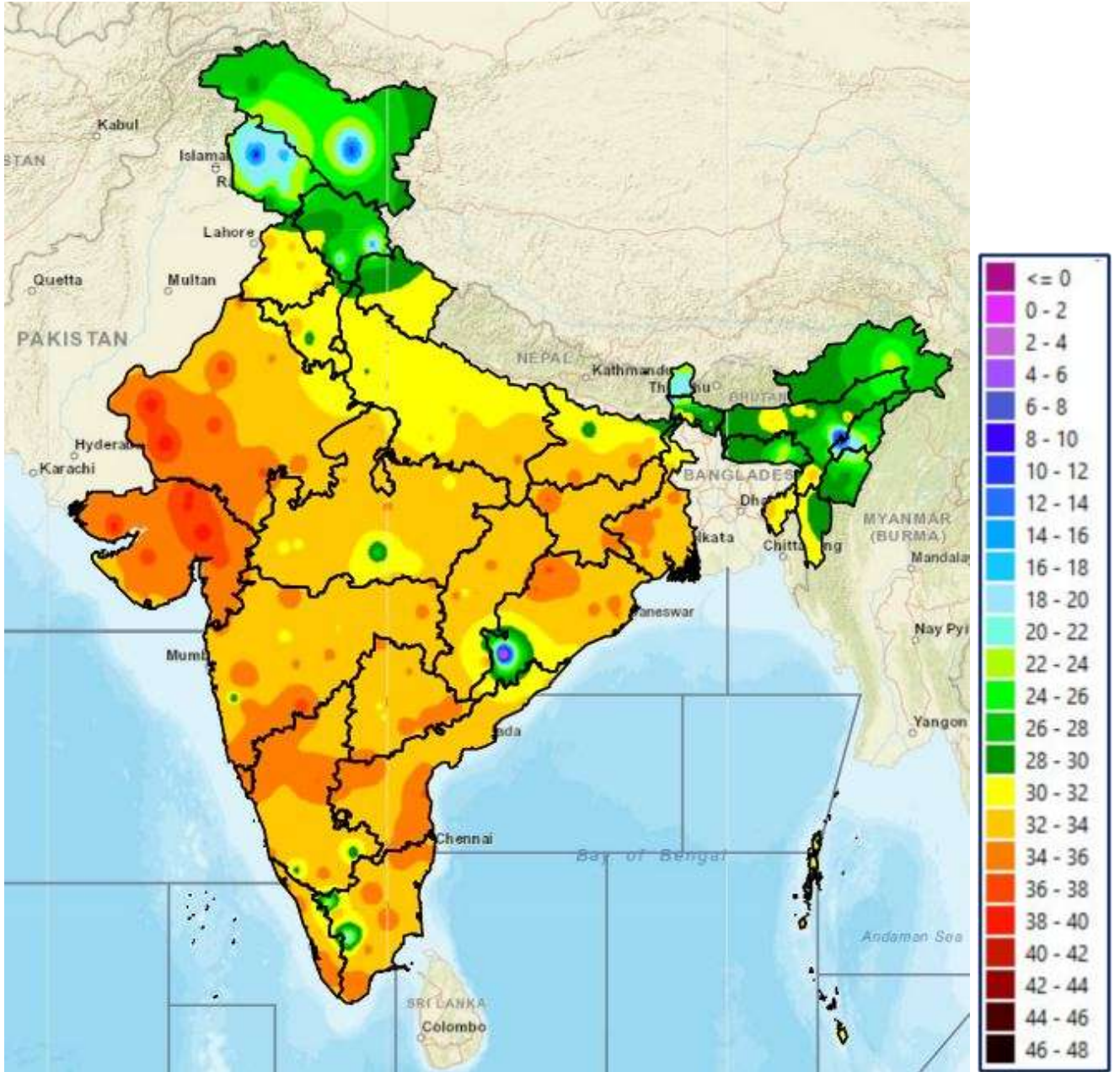
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798



Fig. 2: Maximum Temperatures Dated 04.05.2023



* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798



Fig. 3: Minimum Temperatures Dated 04.05.2023

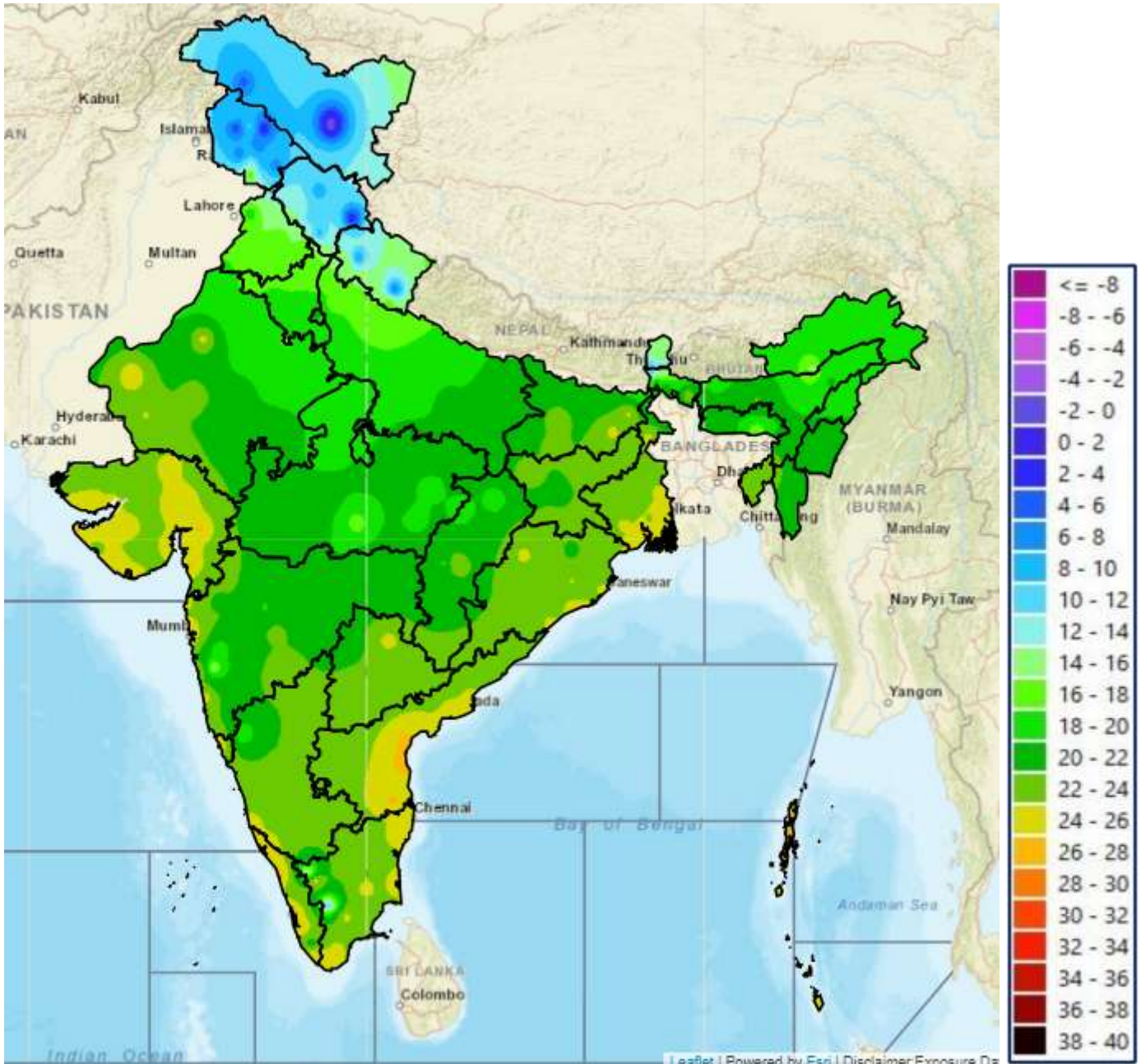
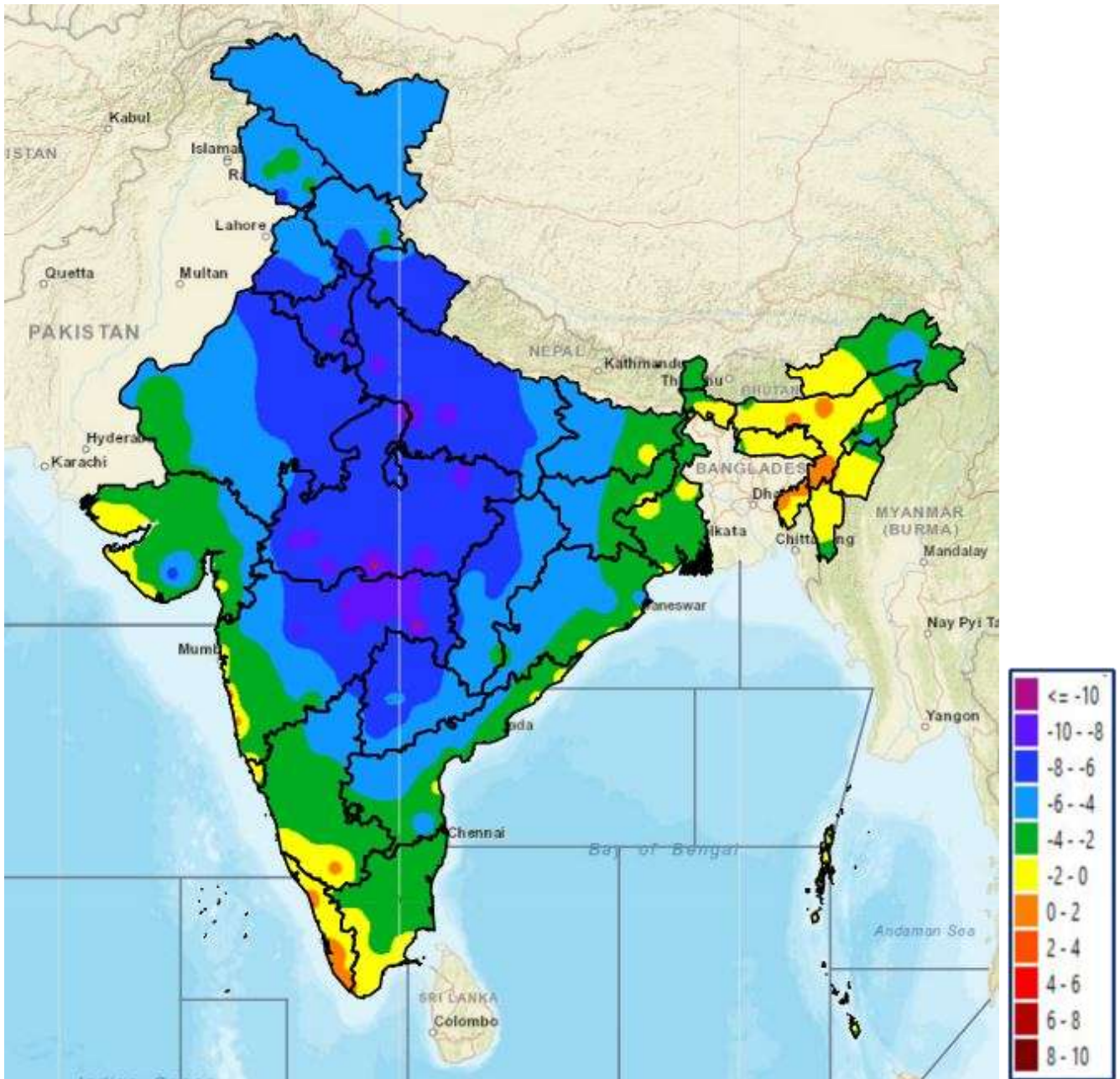




Fig. 4: Departure from Normal of Maximum Temperatures Dated 04.05.2023



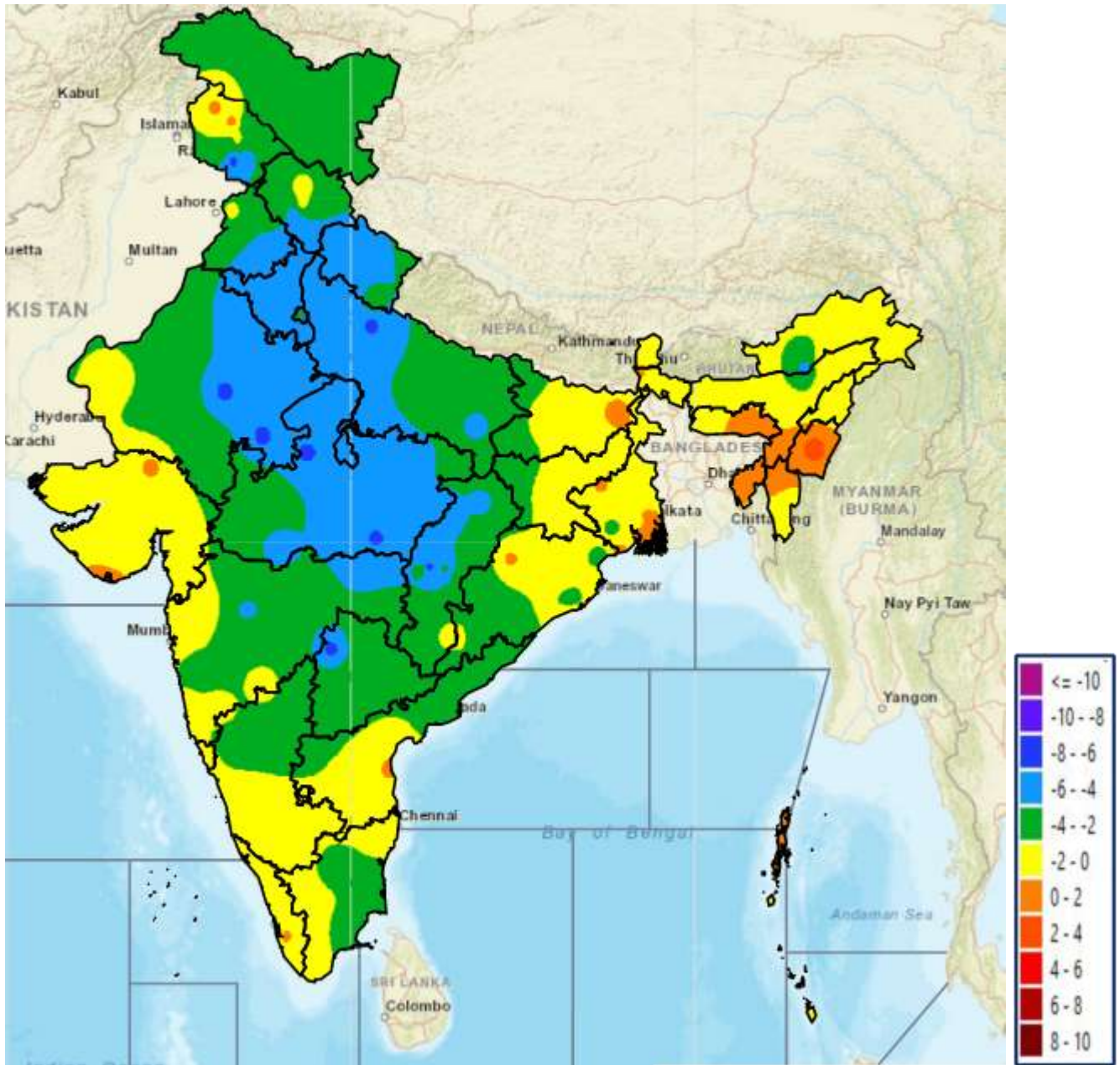
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798



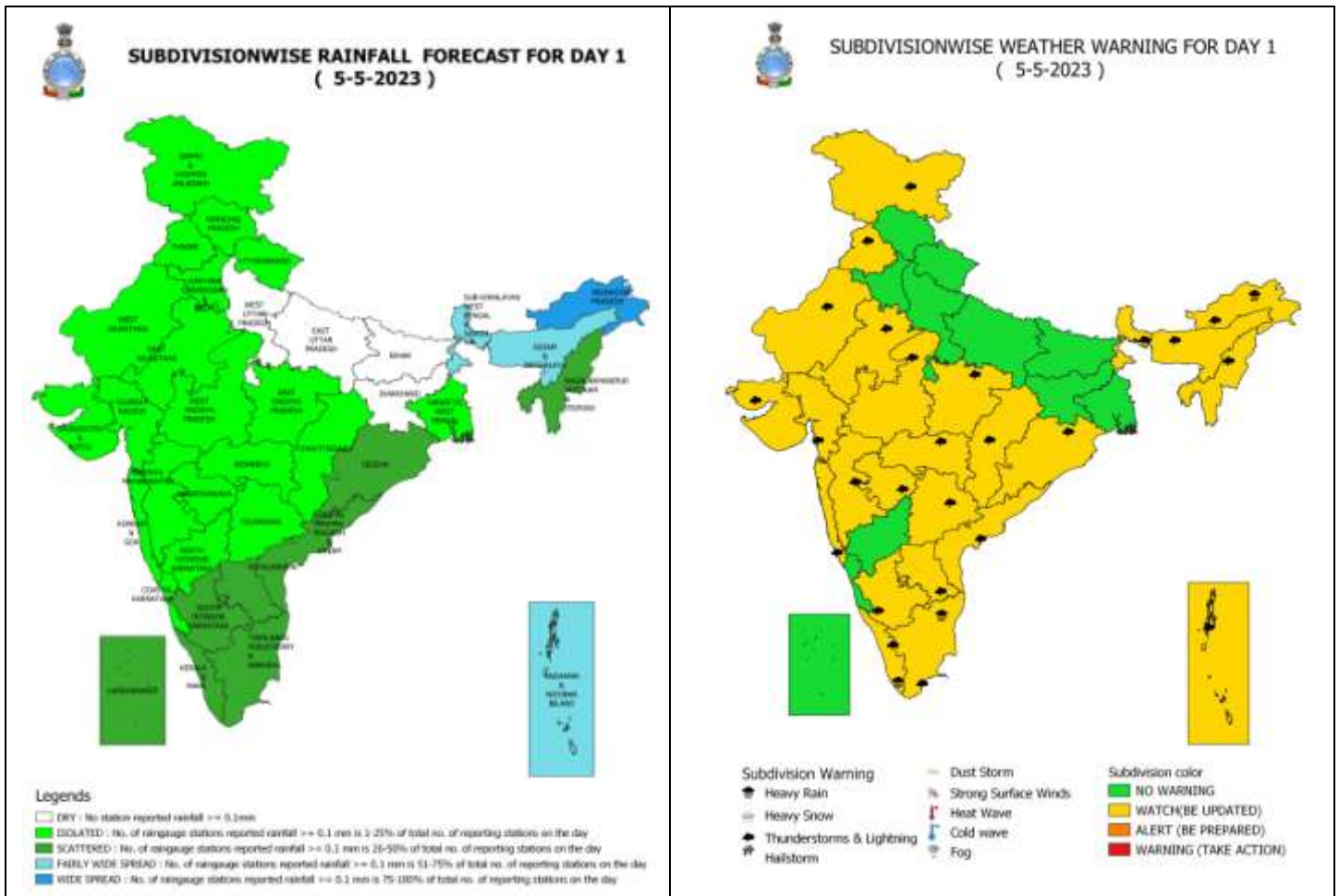
Fig. 5: Departure from Normal of Minimum Temperatures Dated 04.05.2023



* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798



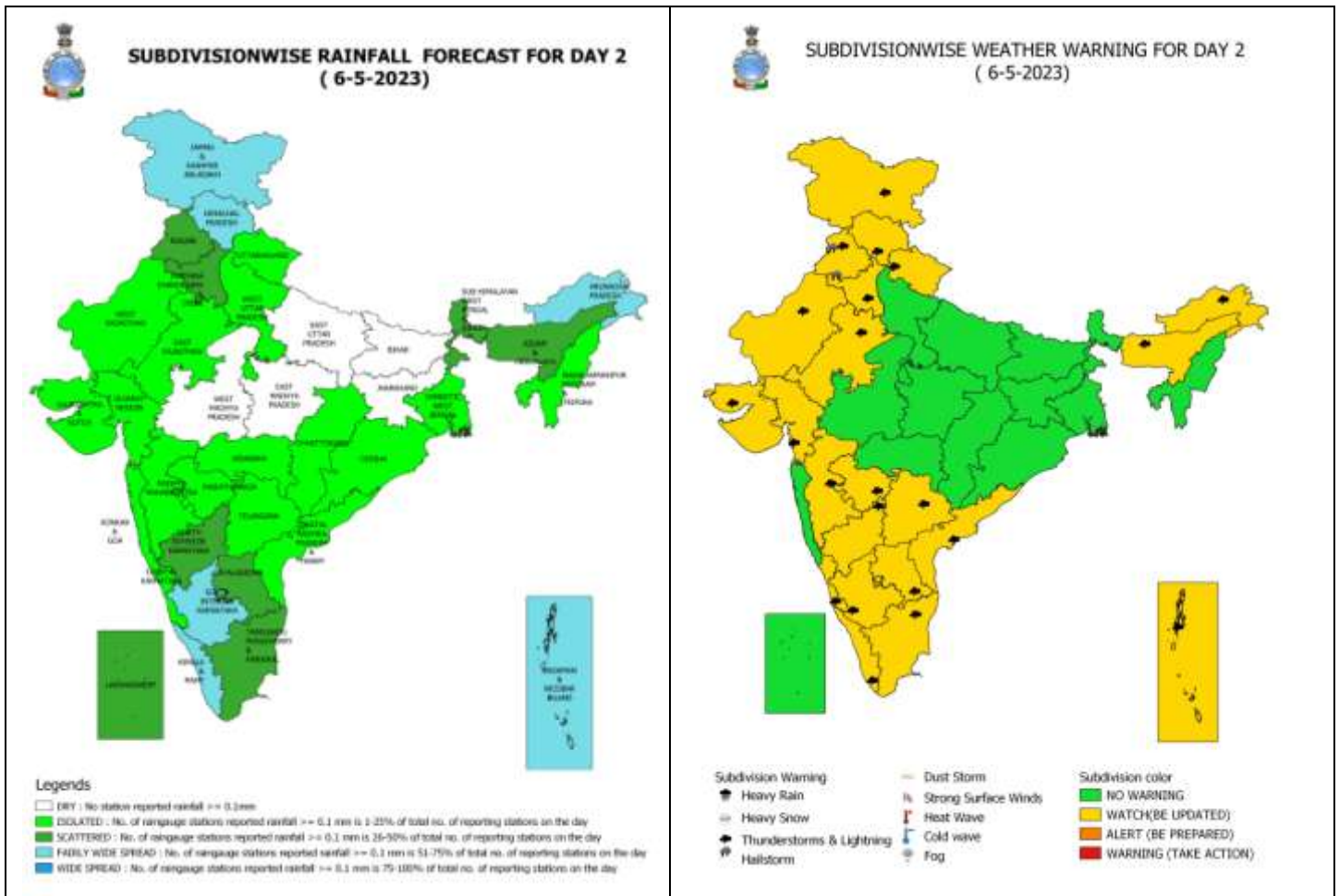
05 May (Day 1): ♦ **Heavy rainfall** very likely at isolated places over Arunachal Pradesh, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm with lightning & gusty wind (40-50 kmph)** very likely at isolated places over Rajasthan; with **lightning & gusty wind (30-40 kmph)** over Punjab, Sub-Himalayan West Bengal & Sikkim, Odisha, Assam & Meghalaya, Konkan & Goa, Madhya Maharashtra, Marathwada, Gujarat state, Coastal Andhra Pradesh & Yanam, Rayalaseema; **with lightning** at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Madhya Pradesh, Vidarbha, Chhattisgarh, Andaman & Nicobar Islands, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, South Interior Karnataka, Telangana, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798



06 May (Day 2): ♦ Hailstorm with lightning & gusty wind (40-50 kmph) very likely at isolated places over Punjab and Haryana.

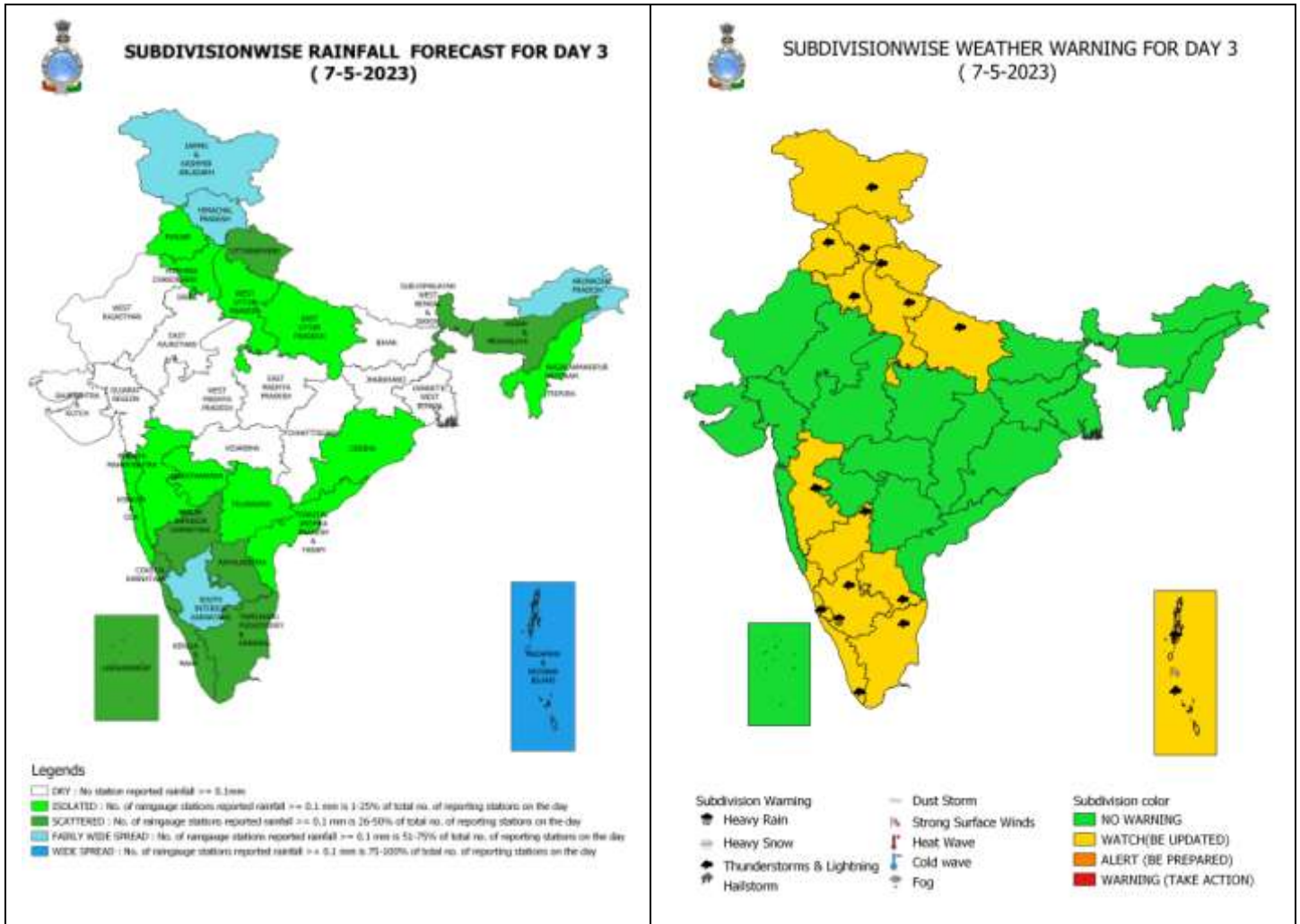
♦ Thunderstorm with lightning & gusty wind (30-40 kmph) very likely at isolated places over Rajasthan Madhya Maharashtra, Marathwada, Gujarat state, Rayalaseema, Kerala & Mahe and Andaman & Nicobar Islands **with lightning** at isolated places Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Arunachal Pradesh, Assam & Meghalaya, Karnataka, Coastal Andhra Pradesh & Yanam, Telangana and Tamil Nadu, Puducherry & Karaikal.

♦ Squally Weather (wind speed reaching 40-45 kmph gusting to 55 kmph) very likely over Southeast Bay of Bengal. Fishermen are advised not to venture into these areas.

* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798



07 May (Day 3): ♦ **Heavy rainfall** very likely at isolated places over Andaman & Nicobar Islands and South Interior Karnataka.

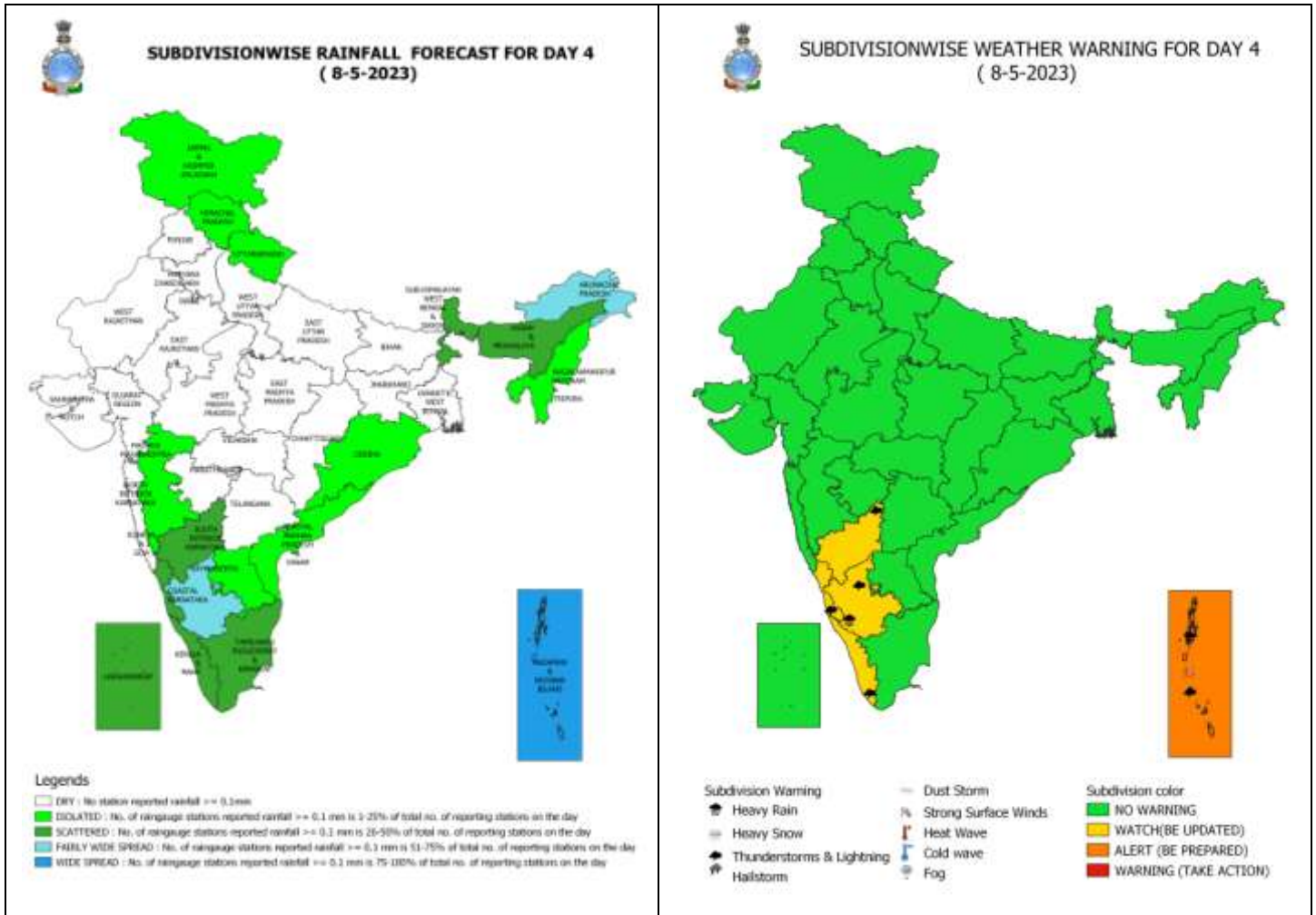
♦ **Thunderstorm with lightning & gusty wind (40-50 kmph)** likely at isolated places over Andaman & Nicobar Islands; **with lightning & gusty wind (30-40 kmph)** likely at isolated places over Punjab, Haryana, Madhya Maharashtra; **with lightning** at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Uttar Pradesh, Karnataka, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Squally weather** with wind speed reaching 40-50 kmph gusting to 60 kmph is likely to prevail over southeast Bay of Bengal and adjoining areas of Andaman & Nicobar Islands and Andaman Sea. Fishermen are advised not to venture into these areas.

* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798



08 May (Day 4): ♦ **Heavy to very heavy rainfall** very likely at isolated places over Andaman & Nicobar Islands and South Interior Karnataka.

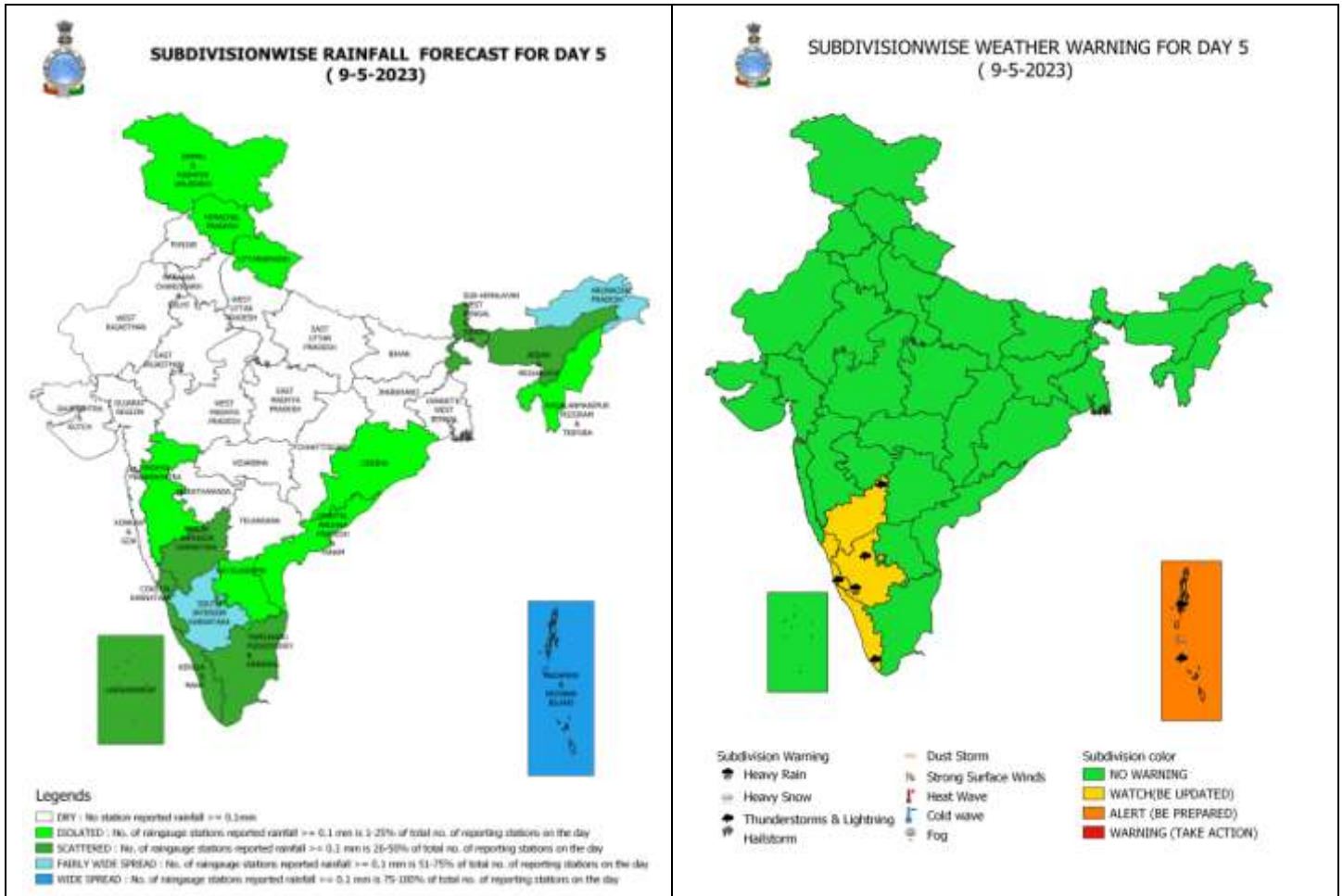
♦ **Thunderstorm with lightning & Squall (speed 50-60 kmph)** likely at isolated places over Andaman & Nicobar Islands **with lightning** at isolated places over Karnataka and Kerala & Mahe.

♦ **Squally weather** with wind speed reaching 50-60 kmph gusting to 70 kmph is likely to prevail over southeast Bay of Bengal and adjoining areas of Andaman & Nicobar Islands and Andaman Sea. Fishermen are advised not to venture into these areas.

* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798



09 May (Day 5): ♦ **Heavy to very heavy rainfall** very likely at isolated places over Andaman & Nicobar Islands and South Interior Karnataka.

♦ **Thunderstorm with lightning & Squall (speed 50-60 kmph)** likely at isolated places over Andaman & Nicobar Islands **with lightning** at isolated places over Karnataka and Kerala & Mahe.

♦ **Squally weather** with wind speed reaching 50-60 kmph gusting to 70 kmph is likely to prevail over southeast Bay of Bengal and adjoining areas of Andaman & Nicobar Islands and Andaman Sea. Fishermen are advised not to venture into these areas.

* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

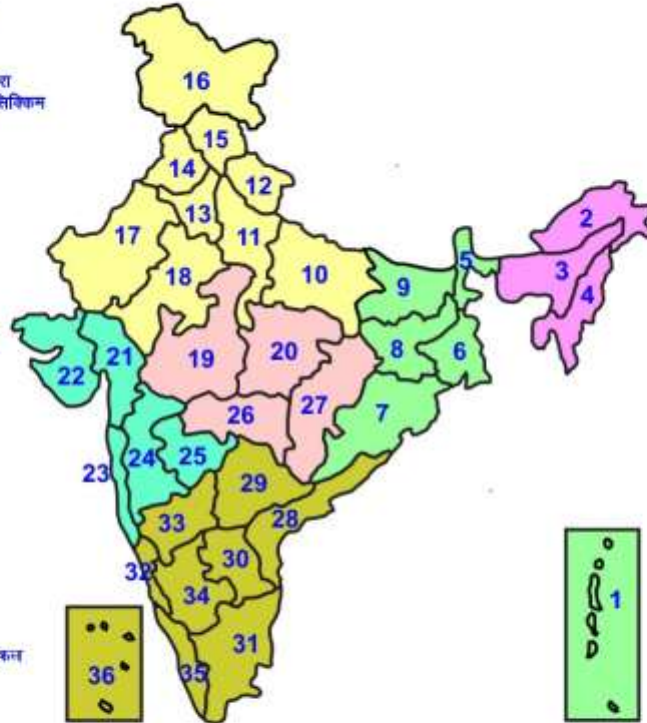
Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798



LEGENDS

- 1 अंडमान और निकोबार द्वीप समूह
- 2 अरुणाचल प्रदेश
- 3 असम और मेघालय
- 4 नागालैंड, मणिपुर, मिजोरम और त्रिपुरा
- 5 उप हिमालय पश्चिम बंगाल एवं सिक्किम
- 6 पश्चिम बंगाल
- 7 ओडिशा
- 8 झारखंड
- 9 बिहार
- 10 पूर्वी उत्तर प्रदेश
- 11 पश्चिम उत्तर प्रदेश
- 12 उत्तराखंड
- 13 हरियाणा, चंडीगढ़ एवं दिल्ली
- 14 पंजाब
- 15 हिमाचल प्रदेश
- 16 जम्मू एवं कश्मीर एवं लद्दाख
- 17 पश्चिम राजस्थान
- 18 पूर्वी राजस्थान
- 19 पश्चिम मध्य प्रदेश
- 20 पूर्वी मध्य प्रदेश
- 21 गुजरात क्षेत्र
- 22 सौराष्ट्र एवं कच्छ
- 23 कोंकण एवं गोवा
- 24 मध्य महाराष्ट्र
- 25 मराठवाड़ा
- 26 विदर्भ
- 27 छत्तीसगढ़
- 28 तटीय आंध्र प्रदेश एवं यनम
- 29 तेलंगाना
- 30 रायलसीमा
- 31 तमिलनाडु, पुदुचेरी एवं कराईकल
- 32 तटिय कर्नाटक
- 33 आंतरिक उत्तरी कर्नाटक
- 34 आंतरिक दक्षिणी कर्नाटक
- 35 केरल एवं माहे
- 36 लक्षद्वीप



1. Andaman & Nicobar Islands
2. Arunachal Pradesh
3. Assam & Meghalaya
4. Nagaland, Manipur, Mizoram & Tripura
5. Sub-Himalayan West Bengal & Sikkim
6. Gangetic West Bengal
7. Orissa
8. Jharkhand
9. Bihar
10. East Uttar Pradesh
11. West Uttar Pradesh
12. Uttarakhand
13. Haryana, Chd & Delhi
14. Punjab
15. Himachal Pradesh
16. Jammu & Kashmir and Ladakh
17. West Rajasthan
18. East Rajasthan
19. West Madhya Pradesh
20. East Madhya Pradesh
21. Gujarat
22. Saurashtra
23. Konkan & Goa
24. Madhya Maharashtra
25. Marathawada
26. Vidharbha
27. Chhattisgarh
28. Coastal Andhra Pradesh & Yanam
29. Telangana
30. Rayalaseema
31. Tamilnadu, Puducherry & Karaikal
32. Coastal Karnataka
33. North Interior Karnataka
34. South Interior Karnataka
35. Kerala & Mahe
36. Lakshadweep

SPATIAL DISTRIBUTION (% of Stations reporting)

% Stations	Category	% Stations	Category
76-100	Widespread (WS/ Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)

WARNING

WARNING (TAKE ACTION)
ALERT (BE PREPARED)
WATCH (BE UPDATED)
NO WARNING (NO ACTION)

Probabilistic Forecast

Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75



Heavy Rain



Heavy Snow



Thunderstorm



Dust Storm



Strong Winds



Visibility



Cyclone



Squall/ Hail



Frost



Cold Wave



Heat Wave



Sea State

* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798



LEGENDS

WARNING

WARNING (TAKE ACTION)
ALERT (BE PREPARED)
WATCH (BE UPDATED)
NO WARNING (NO ACTION)

Probabilistic Forecast

Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75



Heavy: 64.5 to 115.5 mm/cm*
Very Heavy: 115.6 to 204.4 mm/cm*
Extremely Heavy: > 204.4 mm/cm*

Rain/ Snow *

When maximum temperature of a station reaches $\geq 40^{\circ}\text{C}$ for plains and $\geq 30^{\circ}\text{C}$ for hilly regions
(a) Based on Departure from normal

Heat Wave: Maximum Temperature Departure from normal 4.5°C to 6.4°C .

Severe Heat Wave: Maximum Temperature Departure from normal $\geq 6.5^{\circ}\text{C}$.

(b). Based on Actual maximum temperature

Heat Wave: When actual maximum temperature $\geq 45^{\circ}\text{C}$.

Severe Heat Wave: When actual maximum temperature $\geq 47^{\circ}\text{C}$.

(c). Criteria for heat wave for coastal stations

When maximum temperature departure is $> 4.5^{\circ}\text{C}$ from normal. Heat Wave may be described provided maximum temperature $\geq 37^{\circ}\text{C}$.



Heat Wave



Warm Night

When maximum temperature remains 40°C

Warm Night: When minimum temperature departure 4.5°C to 6.4°C .

Severe Warm Night: When minimum temperature departure $> 6.4^{\circ}\text{C}$.



Cold Wave

When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions.

(a). Based on departure

Cold Wave: Minimum Temperature Departure from normal -4.5°C to -6.4°C .

Severe Cold Wave: Minimum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$.

(b) Based on actual Minimum Temperature (for Plains only)

Cold Wave: When Minimum Temperature is $\leq 4.0^{\circ}\text{C}$.

Severe Cold Wave: When Minimum Temperature is $\leq 2.0^{\circ}\text{C}$.

(c) For Coastal Stations

When Minimum Temperature departure is $\leq -4.5^{\circ}\text{C}$ & actual Minimum Temperature is $\leq 15^{\circ}\text{C}$.



Cold Day

When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions
Based on departure

Cold Day: Maximum Temperature Departure from normal -4.5°C to -6.4°C .

Severe Cold Day: Maximum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$.



Fog

Phenomenon of small droplets suspended in air and the horizontal visibility $< 1\text{km}$

Moderate Fog: When the visibility between 500-200 metres

Dense Fog: when the visibility between 50- 200 metres

Very Dense Fog: when the visibility < 50 metres



Thunderstorm

Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)



Dust/Sand Storm

An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.



Frost

Ice deposits on ground

Air temperature $\leq 4^{\circ}\text{C}$ (over Plains)



Squall

A strong wind that rises suddenly, lasts for atleast 1 minute.

Moderate: Wind speed 52-61 kmph

Severe: Wind speed 62-87 kmph

Very Severe: Wind speed > 87 kmph



Sea State

Effect of various waves in the sea over specific area

Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre

High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre

Phenomenal: Wind speed > 117 kmph (> 63 knots) & Wave height > 14 metre



Cyclone

Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots)

Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots)

Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots)

Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)

Super Cyclone Storm: Wind speed > 220 kmph (> 119 knots)

* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798